



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/320,950	05/27/1999	JOHN N. GLOVER	2797.004	5662
<div>7590 BEN D. TOBOR BRACEWELL &amp; PATTERSON, LLP P.O. Box 61389 HOUSTON, TX 77002</div>			<div>EXAMINER SORKIN, DAVID L</div>	
			<div>ART UNIT 1723</div>	<div>PAPER NUMBER</div>
			<div>MAIL DATE 08/27/2007</div>	<div>DELIVERY MODE PAPER</div>

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Art Unit: 1723

considered that the broadest reasonable definition of trisoids includes circles; just as squares are a special type of rectangle, circles are a special type of trisoid. See for example the equation below Fig. 2 of "A thee-point generalization of the ellipse", when  $h$  and  $a$  are zero, the equation is a circle. Polygonal units are also taught by Fulton (see Fig. 1). It is considered that it would have been obvious to one of ordinary skill in the art to have shaped the units of Kramer according to the teachings of Fulton, because Kramer explains that alternative unit shapes may be used in the disclosed processes (see Table 2 and col. 4, lines 1-4). Furthermore, Fulton teaches the above-mentioned shape as an alternative to other shapes including spheres (see page 97) and explains that passages in the units can significantly reduce the amount of material needed, while minimizing lose of strength (see pages 97 and 98, Fig. 3).

### ***Response to Arguments***

9. Applicant argues that the drawings show sharp corners, but does not explain why the drawings convey corners being "sharp".

10. Applicant alleges the Mr. Glover has carried out new test, but has not submitted any associated declaration. Therefore, the alleged tests are not considered evidence. Furthermore, the final column of the experimental results "BG-4000" in not with the scope of any of the pending claims.

### ***Conclusion***

11. Applicant's amendment necessitated the new grounds of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP